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GUDBUE				Application Number	10/825,801	
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STA	STATEMENT BY APPLICANT		First Named Inventor	Anthony C. Zuppero et al.		
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	(Vee as mai	r y arreses s a m		Examiner Name	Alan D. Diamond	
Sheet	1	of	2.	Attorney Docket Number	22122878-70	

	NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the Item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²			
PDD		STEINBROCHEL et al., "Energy Dissipation in Catalysis", University of Minnesota, August 1973, pp.267-270.				
AD		SCHONNHAMMER et al., "Energy Dissipation at Metal Surfaces: Electronic Versus Vibrational Excitations," Journal of Electron Spectroscopy and Related Phenomena, (1983) p.93-101	_			

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		Application Number	10/625,801	
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		First Named Inventor	Anthony C. Zuppero et al.	
	STATEMENT BY APPLICANT	Art Unit		
		Examiner Name	Alan D. Diamond	
	Sheet 2 of 2	Attorney Docket Number	22122878-70	
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Examiner Initials*	Cite No.1	Document Number	Publication Data MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Peges, Columns, Lines, Where Relevant Passeges or Relevant Figures Appear
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Sheet

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of

Complete if Known				
Application Number	10/625,801			
Filing Date	July 23, 2003			
First Named Inventor	Anthony C. Zuppero et al.			
Art Unit	1753			
Examiner Name	Alan D. Diamond			
Attorney Docket Number	22122878-70			

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (# known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
RDD		^{US-} 5,362,975	11-1994	von Windheim et al.	
RAD		^{US-} 5,780,727	07-1998	Girnzewski et al.	-
1000		^{US-} 5,124,610	06-1992	Conley et al.	_
f\co		^{US-} 3,483,040	12-1969	Parkins	
1 00		^{US-} 3,916,338	10-1975	Jensen et al.	
ADD		^{US-} 2004/0182431	09-2004	Zuppero et al.	_
BOD .	İ	^{US-} 5,404,712	04-1995	Fouctat: Few et al.	_
40D		^{US-} 6,916,451	07-2005	Zuppero et al.	_
80D		^{US-} 6,944,202	09-2005	Zuppero et al.	_
42 0		^{US-} 2005/0189011	09-2005	Zuppero et al.	_
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		FORE	IGN PATENT DOC!	JMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ³ "Number ⁴ "Kind Code ⁵ (<i>if known</i>)	MM-DD-YYYY		Or Relevant Figures Appear	T⁵
900		EP 0713089	05-1996	Biosensor Laboratories	-	
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Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Substitute for form 1449/PTO Complete if Known **Application Number** 10/625,801 INFORMATION DISCLOSURE Filing Date July 23, 2003 STATEMENT BY APPLICANT **First Named Inventor** Anthony C. Zuppero et al. Art Unit 1753 (Use as many sheets as necessary) **Examiner Name** Alan D. Diamond Attorney Docket Number Sheet 2. 2 22122878-70

		NON PATENT LITERATURE DOCUMENTS	
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AD		Prieur et al., "Sound Amplification by Stimulated Emission of Radiation in an Amorphous Compound," Europhysics letters, 24 (5) (1993), pp. 409-414.	
PA		Zavtrok et al., "SASER (Sound Amplification by Stimulated Emission of Radiation)," April 1997, pp. 406-414	
A 00		Surowiak et al., "Structure and Certain Physical Properties of BaTiO3 Thin Films with Diffused Phase Transition," XP-002355326, 1 page (1989)	
AD		Taylor et al., "Phonon Focusing in Solids," June 1969, pp. 416-420	
A		Tobias et al., "Fast chemical Sensing with Metal-insulator Silicon Carbide Structures," June 1997, pp. 287-289.	(
(300)		Lloyd Spetz et al., "High Temperature Sensors Based on Metal-Insulator-Silicon Carbide Devices," January 1997, pp. 493-511.	(
AQD		Benson, "Sodium chemiluminescence in the Na+N2O and Na-catalyzed N2O+CO Reactions," September 1976, pp. 3879-3885.	
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